

## § 96.43

are attenuated at least 26 dB below the transmitter power.

(ii) When measuring unwanted emissions to demonstrate compliance with the limits, the CBSD and End User Device nominal carrier frequency/channel shall be adjusted as close to the licensee's authorized frequency block edges, both upper and lower, as the design permits.

(iii) Emission power measurements shall be performed with the CBSD and End User Devices operating at their maximum EIRP levels.

(iv) Emission power measurements shall be performed with a peak detector in maximum hold.

(4) When an emission outside of the authorized bandwidth causes harmful interference, the Commission may, at its discretion, require greater attenuation than specified in this section.

(f) *Reception limits.* Priority Access Licensees must accept adjacent channel and in-band blocking interference (emissions from other authorized Priority Access or GAA CBSDs transmitting between 3550 and 3700 MHz) up to a power spectral density level not to exceed -40 dBm in any direction with greater than 99% probability when integrated over a 10 megahertz reference bandwidth, with the measurement antenna placed at a height of 1.5 meters above ground level, unless the affected Priority Access Licensees agree to an alternative limit and communicates that to the SAS.

Note to paragraph (f): Citizens Broadband Radio Service users should be aware that there are Federal Government radar systems in the band and adjacent bands that could adversely affect their operations.

EFFECTIVE DATE NOTE: At 80 FR 36222, June 23, 2015, § 96.41 was added, however, paragraph (d)(1) contains information collection and recordkeeping requirements and will not become effective until approval has been given by the Office of Management and Budget.

### § 96.43 Additional requirements for category A CBSDs.

(a) Category A CBSDs shall not be deployed or operated outdoors with antennas exceeding 6 meters height above average terrain. CBSDs deployed or operated outdoors with antennas exceeding 6 meters height above average ter-

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rain will be classified as, and subject to, the operational requirements of Category B CBSDs.

(b) When registering with an SAS, Category A CBSDs must transmit all information required under § 96.39. This transmission shall also indicate whether the device will be operated indoors or outdoors.

(c) Any CBSD operated at higher power than specified for Category A CBSDs in § 96.41 will be classified as, and subject to, the operational requirements of a Category B CBSD.

EFFECTIVE DATE NOTE: At 80 FR 36222, June 23, 2015, § 96.43 was added, however, paragraph (b) contains information collection and recordkeeping requirements and will not become effective until approval has been given by the Office of Management and Budget.

### § 96.45 Additional requirements for category B CBSDs.

(a) Category B CBSDs must be professionally installed.

(b) In the 3550–3650 MHz band, Category B CBSDs must be authorized consistent with information received from an ESC, as described in § 96.15.

(c) Category B CBSDs are limited to outdoor operations.

(d) When registering with an SAS, Category B CBSDs must transmit all information required under § 96.39 plus the following additional information: antenna gain, beamwidth, azimuth, downtilt angle, and antenna height above ground level.

EFFECTIVE DATE NOTE: At 80 FR 36222, June 23, 2015, § 96.45 was added, however, paragraphs (b) and (d) contain information collection and recordkeeping requirements and will not become effective until approval has been given by the Office of Management and Budget.

### § 96.47 End user device additional requirements.

(a) End User Devices may operate only if they can positively receive and decode an authorization signal transmitted by a CBSD, including the frequencies and power limits for their operation.

(1) An End User Device must discontinue operations, change frequencies, or change its operational power level within 10 seconds of receiving instructions from its associated CBSD.